

## PROCEEDINGS OF THE NEW YORK ENTOMOLOGICAL SOCIETY

### MEETING OF JANUARY 3, 1939

The annual meeting of the New York Entomological Society was held on January 3, 1939, in the American Museum of Natural History; President Moore in the chair with thirty members and visitors present.

The following were elected to active membership: Mr. A. Davidoff, Mr. M. Gadol, Dr. J. Johnston, Dr. R. E. Blackwelder, Mr. George F. McKenna.

The report of the auditing committee was accepted as read.

The following officers were elected for the year 1939:

President .....	DR. H. T. SPIETH
Vice-President .....	WILLIAM T. DAVIS
Secretary .....	LUCY W. CLAUSEN
Treasurer .....	PAUL T. RICHARD
Librarian .....	FRANK E. WATSON
Curator .....	A. GLENN RICHARDS

#### Executive Committee:

H. F. Schwarz  
Dr. William Procter  
Dr. F. E. Lutz  
Dr. A. B. Klots  
Henry Bird

#### Publication Committee:

Harry B. Weiss  
John D. Sherman, Jr.  
E. L. Bell  
Dr. William Moore

#### Auditing Committee:

Dr. J. L. Horsfall  
Max Kisliuk  
G. B. Engelhardt

#### Delegate to the New York Academy of Sciences:

William T. Davis

The resignation of Mr. G. C. Hall was accepted with regret.

A report of the Richmond meetings was given by Dr. Horsfall, Dr. Argo, Dr. Spieth and Mr. Engelhardt.

LUCY W. CLAUSEN, *Secretary*.

### MEETING OF JANUARY 17, 1939

A regular meeting of the New York Entomological Society was held on January 17, 1939; President Spieth in the chair with forty-three members and visitors present.

Mr. Mutchler was appointed chairman of the meeting. Dr. Spieth spoke on "Some Methods of Biological Control." He gave the factual evidence upon which the theory of control is built, the methods of control of pests, relative state of present development and relative importance of each pest,

history of biological control, mechanical problems, and concluded his talk on the general value of biological control.

LUCY W. CLAUSEN, *Secretary*.

#### MEETING OF FEBRUARY 7, 1939

A regular meeting of the New York Entomological Society was held on February 7, 1939; President Spieth in the chair with fifty-five members and visitors present.

Mr. Baumann spoke on color photography, and showed about 220 colored pictures, explaining the lens, timing, aperture and equipment used.

Mr. F. S. Blanton brought a breath of spring to the meeting by giving narcissus blooms to those present.

A. BACON, *Secretary pro tem*.

#### MEETING OF FEBRUARY 21, 1939

A regular meeting of the New York Entomological Society was held on February 21, 1939; President Spieth in the chair with forty-five members and visitors present.

The Secretary was instructed to write a letter of sympathy to Dr. William Moore and to extend wishes for his speedy recovery.

Dr. Payne, the speaker of the evening addressed the members on "Differential Growth in the Locust, *Locusta migratoria*."

LUCY W. CLAUSEN, *Secretary*.

#### MEETING OF MARCH 7, 1939

A regular meeting of the New York Entomological Society was held on March 7, 1939, in the American Museum of Natural History; President Spieth in the chair with sixty members and visitors present.

Dr. Ruckes announced with regret the death of the eminent zoologist, Dr. Wilson, of Columbia.

The speaker of the evening, Mr. Edwin W. Teale, before showing his motion pictures, related some of the trials and tribulations he went through in his attempts to record the ways of insects on colored motion film. He felt, however, that the studies he made last year were only a beginning and this year he hopes to accomplish a great deal more because of his experience.

Dr. Louis Pyenson of the School of Applied Agriculture, Farmingdale, Long Island was nominated for membership.

LUCY W. CLAUSEN, *Secretary*.

#### MEETING OF MARCH 21, 1939

A regular meeting of the New York Entomological Society was held on March 21, 1939, in the American Museum of Natural History; President Spieth in the chair with eighty members and visitors present.

Mr. Kisliuk reported the death of Dr. W. E. Britton.

Dr. L. Pyenson of the Institute of Applied Agriculture, Farmingdale, Long Island, was elected to active membership.

Dr. Blackwelder presented a suggestion whereby all the old accumulated books, pamphlets and separates could be offered for sale to interested parties and in this way the Society would be able to realize some money on an otherwise unusable collection of material. Dr. Blackwelder and Dr. A. Glenn Richards were appointed by Dr. Spieth as a committee to consider this suggestion, and act upon it.

Mr. Vladimir Tuma then spoke upon the "Breeding of Cockroaches" the title of which, he explained, hardly covered the subject. Mr. Tuma's chief concern was to standardize tests for roach insecticides. In order to do this he used two types of roaches, German and American, but so far has concentrated on the German. Over a period of three years work he found that German roaches 17 weeks of age (at which time the females are about to lay their eggs) are the least susceptible to insecticides. This is also true of the *Periplaneta*. Although his work is not yet as complete on the American as on the German, Mr. Tuma found that the resistance of the American roach is greater to liquid insecticides as well as to pastes than that of the German.

Mr. L. E. Chadwick of Harvard University gave a very detailed account of his work on the flight of insects. By the use of lantern slides he pointed out the course of movement of the wings. This was then followed by high speed motion pictures.

As an added lesson in flight he showed Dr. Emerton's motion pictures of homing pigeons' and humming birds.

LUCY W. CLAUSEN, *Secretary*.

#### MEETING OF APRIL 4, 1939

A regular meeting of the New York Entomological Society was held on April 4, 1939, in the American Museum of Natural History; Vice-President W. T. Davis in the chair with thirty-five visitors and members present.

The committee in charge of the sale of the Society's books and pamphlets reported that bidding was brisk and that there was every prospect of a good income from this sale. Bids may be received until the close of the meeting, Tuesday, April 18.

Dr. R. E. Blackwelder then spoke on "The Wiles and Trials of a West Indian Staphylinid Collector." His talk was illustrated by lantern slides. A motorcycle with a fully equipped side-car was his chief mode of traveling while on the islands. Dr. Blackwelder utilized all the well known tricks of collecting and improvised a few of his own. One of the innovations was the use of a large net on the top of a car driven along the countryside slowly at dusk. In that way he was able to get numerous rare and desirable species.

It was his impression that Island entomologists were conspicuous by their scarcity.

A general discussion of Dr. Blackwelder's paper brought the meeting to a close.

LUCY W. CLAUSEN, *Secretary*.

## MEETING OF APRIL 18, 1939

A regular meeting of the New York Entomological Society was held on April 18, 1939, in Roosevelt Memorial; President Spieth in the chair with forty-five members and visitors present.

It was reported that the sale of books and pamphlets sponsored by the Society was proceeding at a rapid pace and bids would be received only until the close of the evening's meeting.

Mr. H. L. Fellton, Box 207, Liberty Corners, N. J., was proposed for membership.

Dr. Bromley spoke upon the "Hurricanes and Their Effect on Insects." The effect of hurricanes are felt by trees as well as insect life. After the Texas hurricane of 1933 the insects most affected were those of large and more fragile structure such as Lepidoptera, certain Orthoptera, Neuroptera and Odonata. Some insects which were favored were the soil-inhabiting species which were aided by rainfall accompanying the storm. There was also an increase of mosquitos.

The hurricane of 1938 was too late in the season, however, to affect insects adversely. We will probably experience an increase in bark borers and beetles. In a survey of the territory hit by the hurricane of last fall Dr. Bromley pointed out that the youngest and oldest trees survived. There had been four days of rain preceding the hurricane and thus tree roots pulled easily. He predicted an increase in woodland insects, followed by a similar increase in predators and parasites.

After a general discussion of Dr. Bromley's paper the meeting was adjourned.

LUCY W. CLAUSEN, *Secretary*.

## MEETING OF MAY 2, 1939

A regular meeting of the New York Entomological Society was held on May 2, 1939, in the American Museum of Natural History; President Spieth in the chair with forty-eight members and visitors present.

Mr. H. L. Fellton, Box 207, Liberty Corners, N. J., was elected to active membership.

The program committee announced that the next meeting of the Society would be in the nature of a social gathering. Dr. Needham had kindly consented to address the members at this time.

Dr. Richards reported that the income from the sale of books and pamphlets of the Society was \$42.06. The question of what to do with this money was referred to the Executive Committee.

Mr. Dietrich as chairman of the Field Committee announced that plans were being made for a field trip of the Society to take place on June 10 at the home of Mr. Olsen of West Nyack.

The speaker of the evening, Mr. Girth, began his discussion with a history of the entrance of the Japanese beetle into this country about 1916. The adult beetles begin to emerge about June 25 and reach a peak about July 25.

Since the eggs hatch in the fall the larvæ do the most damage in the fall and early spring.

After experimenting with various media it was found that the nematodes, *Neoplectana glaseri*, grow best in a veal infusion agar. Feeding upon this substance nematodes will increase 20 fold within a week. After being aerated and agitated for a week the nematodes are then ready to be placed in the soil. It takes one week to culture them and one week to aerate them and then they may be stored for three months.

Upon being spread on soil infested with Japanese beetles in the grub form the nematodes enter the grubs. They then begin to multiply in the host. In a week it dies and the nematodes enter the soil and are ready to attack other grubs.

The nematodes are applied to infested areas with ordinary sprinkling cans. This gives immediate quick coverage of areas. A period of two weeks is allowed to elapse before a recount is made.

Mr. Girth's talk was illustrated with slides showing the laboratory phase of the work.

LUCY W. CLAUSEN, *Secretary*.

#### MEETING OF MAY 16, 1939

A meeting of the New York Entomological Society was held on May 16, 1939, in the American Museum of Natural History; President Spieth in the chair with seventy members and visitors present.

Because of the social nature of the meeting it was decided that the reading of the minutes of the last meeting be omitted.

Mr. Dietrich announced that there would be a field trip on Sunday, June 11, to West Nyack. Notices of routes and train schedules were sent out giving further details.

Dr. Spieth brought to the attention of the Society the fact that there were twenty-five members and subscribers who have been delinquent for at least the past three years. A motion was made and carried that these members receive a letter asking them to pay their debts and either pay for the JOURNALS they have received or return them.

Mr. M. H. Sartor was elected to membership.

Dr. Needham addressed the members on his recent trip to the West Indies.

LUCY W. CLAUSEN, *Secretary*.

#### MEETING OF OCTOBER 3, 1939

A regular meeting of the New York Entomological Society was held on October 3, 1939, in the American Museum of Natural History; President Spieth in the chair with twenty-six members and visitors present.

Dr. Blackwelder reported that the Society would sponsor another auction. Bids may be made in three ways: (1) on the whole volume (2) on individual issues and (3) on individual articles.

Mr. Edwin Hunger of 4341 Richardson Ave., N. Y. C., was proposed for active membership.



The Secretary read a letter from Mr. Paul Sampson, Manager of the DuPont Co., extending to the members of the Society an invitation to visit the DuPont building at the New York World's Fair. Of particular interest is the Pest Control Section under the direction of Dr. M. D. Leonard.

Mr. F. E. Watson was elected to honorary membership and the JOURNAL was included in this membership.

The meeting was then given over to a discussion of notes on summer collecting by members.

LUCY W. CLAUSEN, *Secretary*.

#### MEETING OF OCTOBER 17, 1939

A regular meeting of the New York Entomological Society was held on October 17, 1939, in the American Museum of Natural History; President Spieth in the chair with forty members and visitors present.

Dr. Blackwelder reported that more issues of the "Canadian Entomologist" had been found and were now in the auction. The auction was extended to the meeting a month from now.

Mr. Edwin Hunger was elected to active membership.

Dr. Spieth spoke to the members on his trip to Europe this past summer, especially his work on the Walker and Eaton types of mayflies in the British Museum of Natural History.

The meeting was adjourned at 9:00 P.M., and then turned over to the auction and informal discussion.

ANNETTE BACON, *Secretary pro tem*.

#### MEETING OF NOVEMBER 21, 1939

A regular meeting of the New York Entomological Society was held on November 21, 1939, in the American Museum of Natural History; President Spieth in the chair with fifty-five members and visitors present.

Dr. Spieth appointed a nominating committee consisting of Mr. E. L. Bell, Dr. C. H. Curran and Dr. Herbert Ruckes.

Miss Majorie Schwarz spoke on her trip through East Africa. Her talk was illustrated with lantern slides.

LUCY W. CLAUSEN, *Secretary*.

#### MEETING OF DECEMBER 5, 1939

A regular meeting of the New York Entomological Society was held on December 5, 1939, in the American Museum of Natural History; President Spieth in the chair with twenty-eight members and visitors present.

Mr. William Bjerke, 655 E. 233rd Street, New York City, was proposed for membership.

Upon informing the Society of the death of Dr. Fall, Mr. Angell made a motion, which was carried, that the Secretary be instructed to write a letter of condolence to Mrs. Richmond, sister of Dr. Fall.

A motion made by Mr. Bell, and carried, instructed the Secretary to write a letter to Dr. Moore telling him that the Society is happy to learn of his recovery from his recent illness.

Mr. Davis exhibited a cave cricket, *Tachycines asynamorous* Adelung, new to the state of New York.

LUCY W. CLAUSEN, *Secretary*.

#### MEETING OF DECEMBER 19, 1939

A regular meeting of the New York Entomological Society was held on December 19, 1939, in the American Museum of Natural History; President Spieth in the chair with thirty-five members and visitors present.

A motion was made by Mr. Sherman and carried that the recommendations of the Executive Committee be accepted as follows:

1. That the sums realized from the auctions of publications recently held by the Society be placed in the general fund of the Society.

2. That the residue of odd numbers of the Casey Memoirs still in possession of the Society be placed with the individual in charge of Coleoptera at the American Museum with power to give these odd numbers to any individual or individuals interested in beetles who in his estimation can use them to advantage.

3. That it be recommended to the Society that an announcement be inserted in the JOURNAL to the effect that the line-cuts and half-tones of illustrations published in the JOURNAL in years past shall, in so far as they are still in existence, be available to the authors of the articles in connection with which they originally appeared provided that the cost of packing and shipping such line-cuts and half-tones shall be defrayed in advance by those claiming them. If claims for such plates are not made within six months of the time when the issue of the JOURNAL containing the announcement makes its appearance, the Society reserves the right to destroy the plates that are unclaimed.

4. That it be recommended to the Society that the insect parts of volumes 73 and 74 of the Zoölogical Record for the years 1936 and 1937 be purchased (payment to be made preferably on delivery) in order to insure the continuity of this series, from which the volumes in question have unfortunately disappeared apparently beyond recovery.

A motion was made by Mr. Bell, and carried, that the offer of \$30.00 for 600 signatures on hand belonging to the Society be accepted.

A motion was made by Mr. Kisliuk, and carried, that the residue of these signatures be distributed to anyone interested.

Mr. William Bjerke was elected to active membership.

Dr. Blackwelder then addressed the members on "The Modern Basis of Taxonomy" which will appear in the JOURNAL.

LUCY W. CLAUSEN, *Secretary*.